

Working Copy

MINIMUM FILING FEE: \$100
FILE ORIGINAL & ONE COPY
TYPE OR PRINT IN BLACK INK
(For explanation of entries required, see
booklet "How to File an Application to
Appropriate Water in California")

State Of California
State Water Resources Control Board
DIVISION OF WATER RIGHTS

P.O. Box 2000, Sacramento CA 95812-2000

Info: (916) 341-5300, Fax: (916) 341-5400, Web: <http://www.waterrights.ca.gov>

APPLICATION TO APPROPRIATE WATER 031508

Application No. X3610

1. **APPLICANT** E. Peter Seghesio, General Manager Ray's River Ranch Vineyard
Seghesio Farms Inc.
14730 Grove Street
Healdsburg CA 95448 707.433.3579

2. **SOURCE**

- a. The name of the source at the point of diversion is the Russian River, tributary to Pacific Ocean.
b. In a normal year does the stream dry up at any point downstream from your project? Yes ☐ No ☒ x.
If yes, during what months is it usually dry? From to .
What alternate sources are available to your project should a portion of your requested direct diversion season be excluded because of a dry stream or non-availability of water? None are available.

3. **POINTS of DIVERSION and REDIVERSION**

- a. The points(s) of diversion will be in the County of Sonoma and within APN 116-250-001.

b.

List all points giving coordinate distances from section corner or other tie as allowed by Board regulations i.e. California Coordinate System	Point is within (40-acre subdivision)	Section	Township	Range	Base and Meridian
Well RR1 @ 500 gpm 440' South and 1950' East Northwest Corner S17 (Projected)	NE 1/4 NW 1/4	17	11N	10W	MDM
Well RR2 @ 400 gpm 275' South and 2440' East Northwest Corner S17 (Projected)	NE 1/4 NW 1/4	17	11N	10W	MDM
Well RR3 @ 40 gpm 55' North and 2770' East Northwest Corner S17 (Projected)	SW 1/4 SE 1/4 <i>Section 8</i>	8 <i>Section 8</i>	11N	10W	MDM

- c. Does applicant own the land at the point of diversion? Yes ☒ No ☐ _____.
d. If applicant does not own the land at point of diversion, state name and address of owner and what steps have been taken to obtain right of access: _____

4. PURPOSE of USE, AMOUNT and SEASON

- a. In the table below, state the purpose(s) for which water is to be appropriated, the quantities of water for each purpose, and the dates between which diversions will be made. Use gallons per day if rate is less than 0.025 cubic foot per second (approximately 16,000 gallons per day).

PURPOSE OF USE (Irrigation, Domestic, etc.)	Direct Diversion Quantity	Direct Diversion Quantity	Direct Diversion Season	Direct Diversion Season	Storage Amount	Storage Collection Season	Storage Collection Season
	RATE (CFS or gal/day)	AMOUNT (Acre-feet per year)	Beginning Date (Mo. & Day)	Ending Date (Mo. & Day)	Acre-Feet per annum	Beginning Date (Mo. & Day)	Ending Date (Mo. & Day)
a. Irrigation	Well RR1 1.113 cfs (500 gpm)	50	June 1	October 31	none	na	na
a. Irrigation	Well RR2 0.890 cfs (400 gpm)	36	June 1	October 31	none	na	na
b. Domestic	Well RR3 0.089 cfs (40 gpm)	2	January 1	December 31	none	na	na
g. Frost Protection	Well RR1 1.113 cfs (500 gpm)	42	March 1	May 31	none	na	na

- b. Total combined amount taken by direct diversion and storage during any one year will be 2.092 cfs ~~400~~ acre feet. 5/9/04
Fay

5. JUSTIFICATION OF AMOUNT

- a. IRRIGATION: Maximum area to be irrigated in any one year is 43 acres.

CROP	ACRES	METHOD OF IRRIGATION (Sprinklers, flooding, etc.)	ACRE- FEET PER YEAR	NORMAL SEASON Beginning Date	NORMAL SEASON Ending Date
Vineyard	43	Drip	86	June 1	Oct 31

- b. DOMESTIC: Number of residences to be served is 2. Separately owned? Yes ☐ No ☒
 Total number of people to be served is 15. Estimated daily use per person is 120 gpd.
 Total area of domestic lawns and gardens is 1 acre.
 Incidental domestic uses are _____.
- c. STOCKWATERING: Kind of stock: _____ Maximum number: _____
 Describe type of operation: _____
- d. RECREATIONAL: Type of recreation: Fishing ☐ Swimming ☐ Boating ☐ Other ☐

e. MUNICIPAL: (Estimated projected use)

POPULATION		MAXIMUM MONTH		ANNUAL USE		
PERIOD	POPULATION	Average daily use (gal per capita)	Rate of diversion (cfs)	Average daily use (gal per capita)	Acre-Foot (per capita)	Total Acre-Feet
Present						

Month of maximum use during year is _____. Month of minimum use during year is _____.

- f. HEAT CONTROL: The total area to be heat protected is _____ net acres.
 Type of crop protected is _____.
 Rate at which water is applied to use is _____ gpm/acre.
 The heat protection season will begin about _____ (date) and end about _____ (date).
- g. FROST PROTECTION: The total area to be frost protected is 43 net acres.
 Type of crop protected is vineyard.
 Rate at which water is applied to use is 50 gpm/acre.
 The frost protection season will begin about March 1 and end about May 31. sketch
Frost
cont
- h. INDUSTRIAL: Type of industry is _____.
 Basis for determination of amount of water needed is: _____.
- i. MINING: The name of the claim is _____. Patented _____ Unpatented _____.
 The nature of the mine is _____. Mineral to be mined is _____.
 Type of milling process is _____.
 After use, the water will be discharged into _____ (name of stream) in
 40 acre subdivision: 1/4 of 1/4 of Section , T , R , B&M.
- j. POWER: The total fall to be utilized is _____ feet. The maximum amount of water to be used
 through the penstock is _____ cfs. The maximum theoretical horsepower capable of
 being generated by the works is _____ (cfs * fall/8.8). Electrical capacity is _____ kW
 (HP*0.746*eff) at _____ % efficiency.
- k. FISH AND WILDLIFE PRESERVATION AND/OR ENHANCEMENT: Yes _____ No x If yes, list specific
 species and habitat type that will be preserved or enhanced in Item 10 of Environmental Information
 form APP-ENV.
- l. OTHER: Describe use: _____. Basis for determination of amount of water needed is _____.

6. PLACE OF USE

- a. Does applicant own the land where water will be used? Yes x No _____. Is land in joint ownership?
 Yes _____ No x. (All joint owners should include their names as applicants and sign the application.) If applicant does
 not own land where the water will be used, give name and address of owner and state what
 arrangements have been made with the owner. _____
- b.

USE IS WITHIN (40-acre subdivision) Sections and subdivisions are projected	SECTION	TOWNSHIP	RANGE	BASE & MERIDIAN	IF IRRIGATED	
					Number of acres	Presently cultivated (Y/N)
SW 1/4 of SE 1/4	8	11N	10W	MDM	3.9 ✓	Y
NW 1/4 of NW 1/4	17	11N	10W	MDM	9.4 ✓	Y
NE 1/4 of NW 1/4	17	11N	10W	MDM	16.5 ✓	Y
NW 1/4 of NE 1/4	17	11N	10W	MDM	12.3 ✓	Y
NE 1/4 of NE 1/4	17	11N	10W	MDM	0.9 ✓	Y

43.0 Acres

(If area is unsurveyed, state the location as if lines of the public land survey were projected, or contact the Division of Water Rights. If
 space does not permit listing all 40-acre tracts, include on another sheet and show detail on map.)

7. DIVERSION WORKS

- a. Diversion will be by gravity by means of _____.
- b. Diversion will be by pumping from Existing wells RR1, RR2, RR3. (sump, offset well, channel, reservoir, etc.).
Pump discharge rate RR1 @ 500 gpm; RR2 @ 400 gpm; RR3 @ 40 gpm. Horsepower RR1 @ 25 hp;
RR2 @ 20 hp; RR3 @ 2 hp. Depth of well: unknown.

- c. Conduit from diversion point to first lateral or to offstream storage reservoir:

CONDUIT (Pipe or Channel)	MATERIAL (Type of pipe or channel lining) (Indicate if pipe is buried or not)	CROSS SECTIONAL DIMENSION (Pipe diameter or ditch depth and top and bottom width)	LENGTH (Feet)	TOTAL OR Feet	LIFT FALL + or -	CAPACITY (Estimate)
RR1 Pipe	Buried PVC	8" diameter	800	20		500 gpm
RR2 Pipe	Buried PVC	4" diameter	800	20		100 gpm
RR3 Pipe	Buried PVC	2" diameter	1000	20		40 gpm

- d. Storage Reservoirs: (For underground storage, complete Supplement 1 to Application, available upon request.)

Name or number of reservoir, if any	Dam				Reservoir		
	Vertical height from downstream toe of slope to spillway level (feet)	Construction material	Dam Length (feet)	Freeboard height above spillway crest (feet)	Approximate surface area when full (acres)	Approximate capacity (acre-feet)	Maximum water depth (feet)
none							

- e. Outlet pipe: (for storage reservoirs having a capacity of 10 acre-feet or more.)

Diameter of outlet pipe (inches)	Length of outlet pipe (feet)	FALL Vertical distance between entrance and exit of outlet pipe in feet.	HEAD Vertical distance from spillway to outlet pipe in reservoir in feet	Estimated storage below outlet pipe entrance (dead storage)
none				

- f. If water will be stored and the reservoir is not at the point of diversion, the maximum rate of diversion to offstream storage will be ___ cfs. Diversion to offstream storage will be made by: Pumping ___ Gravity ___

8. COMPLETION SCHEDULE

- a. Year work will start: Wells installed in the 1940's.
- b. Year work will be completed: na
- c. Year water will be used to the full extent intended: _____
- d. If completed, year of first use: 1940's.

9. GENERAL

- a. Name of the post office most used by those living near the proposed point of diversion is: Cloverdale.
- b. Does any part of the place of use comprise a subdivision on file with the State Department of Real Estate? Yes ___ No x. If yes, state the name of the subdivision: If no, is subdivision of these lands contemplated? Yes ___ No x. Is it planned to individually meter each service connection? Yes ___ No x. If yes, when? na.
- c. List the names and addresses of diverters of water from the source of supply downstream from the proposed point of diversion: Diverters are unknown to the applicant.
- d. Is the source used for navigation, including use by pleasure boats, for a significant part of each year at the point of diversion, or does the source substantially contribute to a waterway which is used for navigation, including use by pleasure boats? Yes x No ____ If yes, explain: The Russian River is used for recreational motorless boating activity.

10. EXISTING WATER RIGHT

Do you claim an existing right for the use of all or part of the water sought by this application? Yes.
If yes, complete the table below:

Nature of Right (Riparian, appropriative, groundwater)	Year of First Use	Purpose of use made in recent years including amount, if known	Season of Use	Source	Location of Point of Diversion
Groundwater	1940's	Vineyard Irrigation 50 acre feet	June 1 October 31	Russian River	Well RR1 @ 500 gpm 440' South and 1950' East Northwest Corner S17 (Projected)
Groundwater	1940's	Vineyard Irrigation 36 acre feet	June 1 October 31	Russian River	Well RR2 @ 400 gpm 275' South and 2440' East Northwest Corner S17 (Projected)
Groundwater	1940's	Domestic 2 acre feet	January 1 December 31	Russian River	Well RR3 @ 40 gpm 55' North and 2770' East Northwest Corner S17 (Projected)
Groundwater	1940's	Frost Protection 12 acre feet	March 1 May 31	Russian River	Well RR1 @ 500 gpm 440' South and 1950' East Northwest Corner S17 (Projected)

11. AUTHORIZED AGENT (Optional)

With respect to: x all matters concerning this water right application
 those matters designated as follows: _____

Lee Erickson CE45660
Erickson Engineering Inc.
P.O. Box 446
Valley Ford CA 94972-0446 707/795-2498 Voice/Fax

is authorized to act on my behalf.

12. SIGNATURE OF APPLICANT

I declare under penalty of perjury that the above is true and correct to the best of my knowledge and belief.

Dated 12/1/2003, 2003, at Healdsburg California.

E. Peter Seghesio, General Manager
Seghesio Farms Inc.
14730 Grove Street,
Healdsburg CA 95446


Signature

Additional information needed for preparation of this application may be found in the Instruction Booklet entitled "How To File An Application to Appropriate Water in California". If there is insufficient space for answers on this form, attach extra sheets. Please cross reference all remarks to the numbered item of the application to which they may refer. Send original application and one copy to the State Water Resources Control Board, Division of Water Rights, P.O. Box 2000, Sacramento CA 95812-2000, with \$100 minimum filing fee.

Note: If this application is approved for a permit, a minimum permit fee of \$100 will be required before the permit is issued. There is no additional fee for registration of small domestic.

13. MAP

See attachments.

14. SUPPLEMENTAL INFORMATION

- a. If you are applying for a permit, complete and append Environmental Information Form WR1-2 .
- b. If you are registering a small domestic use, append Fish and Game information form WR1-3.
- c. If you are applying for underground storage, complete and append Supplement 1 to WR-1.

State Of California
State Water Resources Control Board
DIVISION OF WATER RIGHTS
P.O. Box 2000, Sacramento CA 95812-2000
Info: (916) 341-5300, Fax: (916) 341-5400, Web: <http://www.waterrights.ca.gov>

**APPLICATION TO APPROPRIATE WATER
ENVIRONMENTAL INFORMATION**

031508

(THIS IS NOT A CEQA DOCUMENT)

APPLICATION NO. X3610 - Seghesio Farms Inc. at Ray's River Ranch Vineyard

The following information will aid in the environmental review of your application as required by the California Environmental Quality Act (CEQA). IN ORDER FOR YOUR APPLICATION TO BE ACCEPTED AS COMPLETE, ANSWERS TO THE QUESTIONS LISTED BELOW MUST BE COMPLETED TO THE BEST OF YOUR ABILITY. Failure to answer all questions may result in your application being returned to you, causing delays in processing. If you need more space, attach additional sheets. Additional information may be required from you to further amplify or clarify the information requested on this form.

PROJECT DESCRIPTION

1. Provide a description of your project, including but not limited to type of construction activity, structures existing or to be built, area to be graded or excavated, and project operation, including how the water will be used.

Seghesio Farms Inc. - Ray's River Ranch at 29533 River Road, Cloverdale CA 95425.

This multi-generational family-owned 52-acre vineyard (43 acres plantable) has been in operation since the 1940's. Existing agricultural wells about 2000' from the Russian River in the alluvial floodplain have been historically used for irrigating the bottomland vineyards. An existing nearby domestic well has been historically used for non-vineyard water needs. The wells have been operated on the basis of groundwater use claims. Because the wells may be subjected to River underflow, the owner wishes to upgrade from groundwater use to an Appropriative Right claims to better safeguard future vineyard and domestic water supplies.

No new construction, wells, off-channel storage, or revisions in historic place of use are proposed for this application. The existing wells along with vineyard and domestic pipe lines will continue to be used in their present location and condition.

GOVERNMENTAL REQUIREMENTS

Before a final decision can be made on your water right application, we must consider the information contained in an environmental document prepared in compliance with the requirements of CEQA. If an environmental document has not been prepared, a determination must be made as to who is responsible for the preparation of the environmental document for your project. The following questions are designed to aid us in that determination.

2. Contact your county planning or public works department for the following information:

(a) Person Contacted _____ Date of Contact _____
Department _____ Telephone _____
(b) Assessor's Parcel Numbers (Sonoma County): APN 116-250-001

(c) County Zoning Designation: Ag Preserve

(d) Are any county permits required for your project? Yes ☐ No ☒ If yes, check appropriate spaces below: ☐ Grading Permit, ☐ Use Permit, ☐ Watercourse Obstruction Permit, ☐ Change of Zoning, ☐ General Plan Change, ☐ Other _____

(e) Have you obtained any of the required permits described above? Not applicable.
If you answered yes, provide a complete copy of each permit obtained.

3. Are any additional state or federal permits required for your project? Not applicable.
(i.e., Federal Energy Regulatory Commission, U.S. Forest Service, Bureau of Land Management, Soil Conservation Service, Dept. of Water Resources (Division of Dam Safety), Reclamation Board, Coastal Commission, State Lands Commission, etc.) For each agency from which a permit is required, provide the following info: Agency, Permit Type, Person Contacted, Date of Contact, Phone.

No additional State or Federal permits are believed required for this project.

4. Has any public agency prepared an environmental document for any aspect of your project? No.

If so, please submit a copy of the latest environmental document(s) prepared, including a copy of the Notice of Determination adopted by the public agency. If not, explain below whether you expect that a public agency other than the State Water Resources Control board will be preparing an environmental document for your application or whether the applicant, if it is a California public agency, will be preparing the environmental document for your project.

No environmental documents have been prepared for this project by any permitting agency, or are planned for development by the applicant.

Note: When completed, please submit a copy of the final environmental document (including Notice of Determination) or Notice of Exemption to the Board. Processing of your water right application cannot proceed until such documents are submitted.

5. Will your project, during construction or operation, generate waste or wastewater containing such things as sewage, industrial chemicals, metals, or agricultural chemicals, or cause erosion, turbidity, or sedimentation? No. If so, explain: _____

This project will not generate wastes having deleterious impact on surface or subsurface waters.

If you answer yes or you are unsure of your answer, contact your local Regional Water Quality Control Board for the following information (See attachment for address and telephone number):

Will a waste discharge permit be required for your project? No. Person contacted and date of contact: _____
What method of treatment and disposal will be used? _____

Not applicable.

6. Have any archeological reports been prepared for this project, or will you be preparing an archeological report to satisfy another public agency? No.
Do you know of any archeological or historic sites located within the general project area? No.
If so, explain: No archeological reports have been completed or are planned for the site.

ENVIRONMENTAL SETTING

7. Attach **THREE COMPLETE SETS** of color photographs, clearly dated and labeled, showing the vegetation currently existing at the following locations:

- (a) **Downstream of Diversion:** Historic, current, and proposed future land use is Russian River riparian corridor, with vineyards in the adjoining non-riparian bottomland areas.
- (b) **Along the stream channel immediately upstream from the proposed point(s) of diversion.**
Upstream of Diversion: Historic, current, and proposed future land use is Russian River riparian corridor, with vineyards in the adjoining non-riparian bottomland upland areas.
- (c) **At the place(s) where the water is to be used.**
Place of Use: Historic, current, and proposed future land use is bottomland vineyards.

8. From the list given below, mark or circle the general plant community types which best describe those which occur within your project area (Note: See footnote denoted by * under Question 11 below):

Tree Dominated Communities

Subalpine Conifer
Red Fir
Lodgepole Pine
Mixed Conifer
 Sierran Mixed Conifer
 White Fir
 Klamath Mixed Conifer
Douglas Fir
Jeffrey Pine
Ponderosa Pine
Eastside Pine
Redwood
Pinyon-Juniper
Juniper
Aspen
Closed Cone Pine-Cypress
Montane Hardwood-Conifer
Valley Foothill Hardwood
 Blue Oak Woodland
 Valley Oak Woodland
 Coastal Oak Woodland
Valley Foothill Hardwood-Conifer
 Blue Oak - Digger Pine
Eucalyptus
x **Montane Riparian**
Valley Foothill Riparian
Desert Riparian
Palm Oasis
Joshua Tree

Shrub Dominated Communities

Alpine Dwarf-Shrub
Low Sage
 Bitterbrush
Sagebrush
Montane Chaparral
Mixed Chaparral
Chamise-Redshank Chaparral
Coastal Scrub
Desert Succulent Shrub
Desert Wash
Desert Scrub
Alkali Desert Scrub

Herbaceous Dominated Communities

Annual Grassland
Perennial Grassland
Wet Meadow
Fresh Emergent Wetland
Saline Emergent Wetland
Pasture

Aquatic Communities

Riverine
Lacustrine
Estuarine
Marine

Developed Communities

Cropland
x **Orchard - Vineyard**
Urban

Literature Source: Mayer, KE and WF Laudenslayer Jr. (Eds). 1988. A Guide to Wildlife Habitats of California. California Department of Forestry and Fire Protection, Sacramento. 166 pp. (Note: You may view a copy of this document at our public counter at the address given at the top of this form or you may purchase a copy by calling the California Department of Fish and Game, Wildlife Habitat Relationships (WHR) program at 916/653-7203.)

9. Provide below an estimate of the type, number, and size (trunk/stem diameter at chest height) of trees and large shrubs that are planned to be removed or destroyed due to implementation of the proposed

Environmental Protection Agency, Registered Environmental Assessor (REA) Program at 916/324-6881 or the University of California, Cooperative Extension Service (see your local telephone directory white pages)>

12. Does your proposed project involve any construction or grading related activity which has significantly altered or would significantly alter the bed or bank of any stream or lake? No. If so, explain:

Historic well development and distribution system to place of use has occurred within vineyard and agricultural areas. No work was undertaken in the bed or bank of the Russian River.

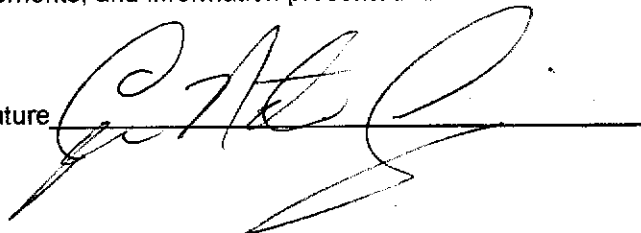
CERTIFICATION

I hereby certify that the statements I have furnished above and in the attached exhibits are complete to the best of my ability, and that the facts, statements, and information presented are true and correct to the best of my knowledge.

Date

12/1/03

Signature

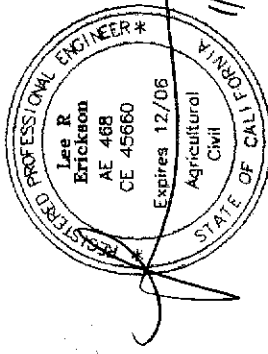
A handwritten signature in black ink, appearing to be "C. H. S.", written over a horizontal line.

Section 13 of Water Rights Application

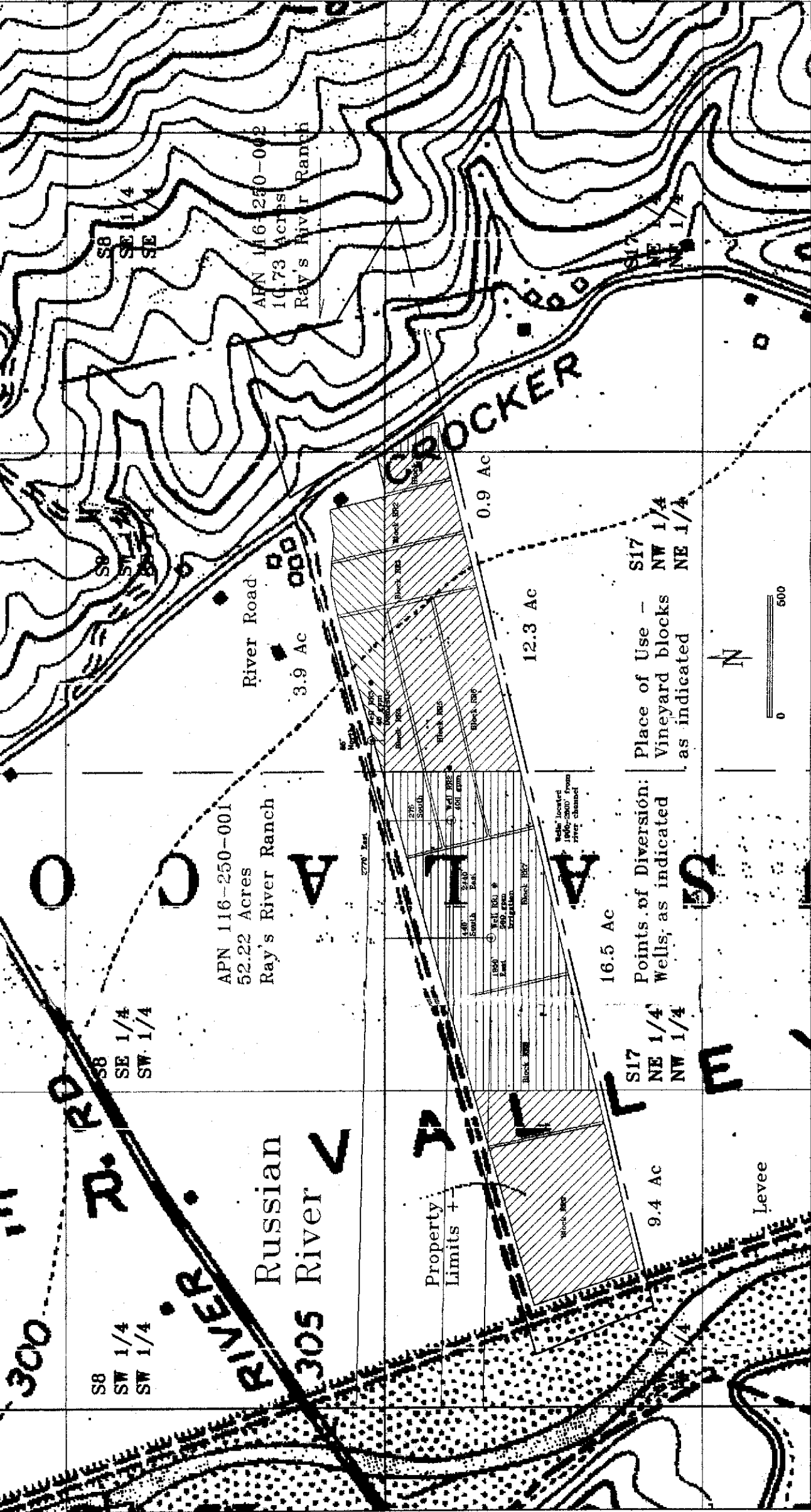
Ray's Ranch Vineyard
29533 River Road
Cloverdale CA 95425
Seghesio Farms Inc.
14730 Grove Street
Healdsburg CA 95448

Section data overlaid on scanned and scaled quad map as projected from known corners using standard 1-mile sections unadjusted for curvature or local distortion. North per quad map data. Property limits estimated using scanned, scaled, and traced Assessor's Parcel Map data overlaid on quad using visual best fit methods. Vineyard limits based on scaled and traced aerial photos at about 4000' elevation dated 1997 overlaid on a visual best fit basis. Well locations per Seghesio Farms notation on aerial photos noted. Field verify critical locations and areas using as required.

Erickson Engineering Inc.
Valley Ford CA 94972-0446
707/795-2498 Voice, Fax



Date: Jan. 20, 2003
Scale: 1" = 500'
By: LRE
Sheet: 1 of 1



List all points giving coordinates distances from section corner or other fee as allowed by Board regulations i.e. California Coordinate System	Point to within (40-acre subdivision)	Section	Township	Range	Base and Meridian
Well RR1 @ 500 gpm 440' South and 1650' East Northwest Corner S17 (Projected)	NE 1/4 NW 1/4	17	11N	10W	MDM
Well RR2 @ 400 gpm 275' South and 2440' East Northwest Corner S17 (Projected)	NE 1/4 NW 1/4	17	11N	10W	MDM
Well RR3 @ 40 gpm 55' North and 2770' East Northwest Corner S17 (Projected)	SW 1/4 SE 1/4	6	11N	10W	MDM

USE IS WITHIN (40-acre subdivisions) Sections and subdivisions are projected	SECTION	TOWNSHIP	RANGE	BASE & MERIDIAN	IF IRRIGATED	
					Number of acres	Presently cultivated (Y/N)
SW 1/4 of SE 1/4	6	11N	10W	MDM	3.9	Y
NW 1/4 of NW 1/4	17	11N	10W	MDM	9.4	Y
NE 1/4 of NW 1/4	17	11N	10W	MDM	16.5	Y
NW 1/4 of NE 1/4	17	11N	10W	MDM	12.3	Y
NE 1/4 of NE 1/4	17	11N	10W	MDM	0.9	Y
					43.0 Acres	

PURPOSE OF USE (Irrigation, Domestic, etc.)	Direct Diversion Quantity		Direct Diversion Season		Storage Amount	Storage Collection Season		Storage Collection Season
	RATE (CFS or gal/day)	AMOUNT (Acre-feet per year)	Beginning Date (Mo. & Day)	Ending Date (Mo. & Day)		Beginning Date (Mo. & Day)	Ending Date (Mo. & Day)	
a. Irrigation	Well RR1 1.113 cfs (500 gpm)	50	June 1	October 31	none	na	na	na
a. Irrigation	Well RR2 0.880 cfs (400 gpm)	36	June 1	October 31	none	na	na	na
b. Domestic	Well RR3 0.089 cfs (40 gpm)	2	January 1	December 31	none	na	na	na
g. Frost Protection	Well RR1 1.113 cfs (500 gpm)	12	March 1	May 31	none	na	na	na